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**Claim Amendments**

1. (currently amended) A digital subscriber line (DSL) compatible plain old telephone service (POTS) line card to interface a telecommunications switching system to a subscriber over a two-wire subscriber line, said line card comprising:

means for detecting whether a DSL line card is connected to said subscriber line based on an impedance measurement at DSL frequencies; and

a digital signal processor responsive to said means for detecting configured to process voice-band signals with a first set of parameters if said DSL line card is connected to said subscriber line and configured to process voice-band signals with a second set of parameters if said DSL line card is not connected to said subscriber line.

2. (original) A DSL-compatible POTS line card in accordance with claim 1 wherein said means for detecting is configured to detect a DSL line card connected to said subscriber line by measuring impedance in said subscriber line.

3. (currently amended) A DSL-compatible POTS line card in accordance with claim 2 wherein a DSL line card is connected when said impedance indicates the presence of approximately 100 ohms at the DSL Frequencies in parallel with the subscriber load.

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4. (original) A DSL-compatible POTS line card in accordance with claim 1 wherein said means for detecting is configured to detect a DSL line card connected to said subscriber line by generating a voice band tone, sending the tone on said subscriber line and measuring a reflected energy, wherein a DSL line card is detected when said reflected energy is below a threshold.

5. (original) A DSL-compatible POTS line card in accordance with claim 4 wherein said voice band tone is selected from the group of 2.6, 3.0 and 4.0 kHz.

6. (currently amended) A DSL-compatible POTS line card ~~in accordance with claim 1 to interface a telecommunications switching system to a subscriber over a two-wire subscriber line, said line card comprising:~~

means for detecting whether a DSL line card is connected to said subscriber line; and  
a digital signal processor responsive to said means for detecting configured to process voice-band signals with a first set of parameters if said DSL line card is connected to said subscriber line and configured to process voice-band signals with a second set of parameters if said DSL line card is not connected to said subscriber line;

wherein said means for detecting is configured to detect a DSL line card connected to said subscriber line by generating a tone above voice band, sending the tone on said subscriber line and measuring a return loss, wherein a DSL line card is detected when said return loss is below a threshold.

7. (original) A DSL-compatible POTS line card in accordance with claim 6 wherein said tone is selected from the group of 16 and 24 kHz.

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8. (original) A DSL-compatible POTS line card in accordance with claim 1 wherein said first set of parameters adjusts a frequency response of said subscriber line.

9. (original) A DSL-compatible POTS line card in accordance with claim 1 wherein said first set of parameters adjusts a return loss of said subscriber line.

10. (original) A DSL-compatible POTS line card in accordance with claim 1 wherein said first set of parameters adjusts a trans-hybrid loss of said POTS line card.

11. (currently amended) A method for use in a DSL-compatible POTS line card connected to a subscriber line, said method comprising the steps of:

determining whether a DSL line card is connected to said subscriber line by measuring an impedance at DSL frequencies;

loading a digital signal processor with a first set of parameters if a DSL line card is connected to said subscriber line; and

loading a digital signal processor with a second set of parameters if a DSL line card is not connected to said subscriber line.

12. (original) A method in accordance with claim 11 wherein said step of determining occurs periodically.

13. (original) A method in accordance with claim 11 wherein said step of determining comprises the substeps of: sending a tone on said subscriber line; measuring a reflection of said tone; and basing said determination on a parameter of said reflection.

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14. (currently amended) A method ~~in accordance with claim 11~~ for use in a DSL-compatible POTS line card connected to a subscriber line, said method comprising the steps of:

determining whether a DSL line card is connected to said subscriber line;

wherein said step of determining comprises: measuring energy in a DSL frequency range and basing said determination on the presence of energy;

loading a digital signal processor with a first set of parameters if a DSL line card is connected to said subscriber line; and

loading a digital signal processor with a second set of parameters if a DSL line card is not connected to said subscriber line.

15. (currently amended) A method ~~in accordance with claim 11~~ for use in a DSL-compatible POTS line card connected to a subscriber line, said method comprising the steps of:

determining whether a DSL line card is connected to said subscriber line;

wherein said step of determining comprises: monitoring said subscriber line for DSL pilot tone;

loading a digital signal processor with a first set of parameters if a DSL line card is connected to said subscriber line; and

loading a digital signal processor with a second set of parameters if a DSL line card is not connected to said subscriber line.

16. (original) A method in accordance with claim 11 wherein said step of determining comprises: measuring an impedance of said subscriber line.

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17. (new) An apparatus, comprising:

a DSL-compatible POTS line card that comprises a digital signal processor;

wherein the DSL-compatible POTS line card provides an interface from a telecommunications switching system to a subscriber over a two-wire subscriber line;

wherein the DSL-compatible POTS line card sends a tone at DSL frequencies on the two-wire subscriber line;

wherein the DSL-compatible POTS line card makes a determination of a presence of a DSL line card on the subscriber line based on a measurement of a reflection of the tone;

wherein the digital signal processor processes voice-band signals with a first set of parameters if the DSL line card is present;

wherein the digital signal processor processes voice band signals with a second set of parameters if the DSL line card is not present.

18. (new) The apparatus of claim 17, wherein the measurement of the reflection of the tone comprises a measurement of impedance of the tone at the DSL frequencies.

19. (new) The apparatus of claim 18, wherein the measurement of the impedance of the tone at the DSL frequencies indicates a presence of approximately 100 ohms at the DSL frequencies.

20. (new) The apparatus of claim 17, wherein the first set of parameters comprises one or more of a frequency response of said subscriber line, a return loss of said subscriber line, and/or a trans-hybrid loss of said POTS line card.